Bruker NMR Cheat Sheet

To start automation:

1) Open the Topspin program
2) Type “iconnmr” into the text entry box that runs across the bottom of the Topspin window.
3) Select “Automation” then select your user account from the pop-up list
4) Double click on the line that corresponds to your sample position in the autosampler.
5) After filling out all of the sample information, make sure your line is highlighted then click “submit”
6) At the top of the window, click start
7) Enter the number that corresponds to your sample position in the autosampler, the click “ok”.

Commands to run a sample manually from TopSpin:

1) “sx #” to inject your sample into the magnet (“#” should be the number that corresponds to your sample’s position in the autosampler, so, for example; “sx 3” would inject sample 3).
2) “edc” to enter the requisite sample information, select the experiment, and create a data set.
3) “rsh” then select “LASTBEST” to read the most recent good shim file into memory.
4) “lock” then select your solvent to lock.
5) “atma” on the 400 or 600 to run the automatic tune program (it is a fixed tune on the 300).
6) “getprosol” to read the probehead and solvent-dependent parameters
7) “topshim” to run automated shimming
8) “rga” to automatically set the receiver gain
9) “zg” to start an acquisition
10) “ft” then “apk” for a quick look at your spectrum
11) “sx ej” to retrieve your sample

Other Commands that could be useful:

“eda” to edit data acquisition parameters
“tr” to transfer data to disk during an acquisition
“rpar” to read a parameter set
“abs” automatic baseline correction
“em” exponential window multiplication of the FID
“efp” exponential window multiplication followed by a Fourier transform and phase correction
“gm” Gaussian window multiplication (gmp for gm + ft + apk)
“ppp” to automatically pick peaks